

# EUROPEAN PATENT OFFICE

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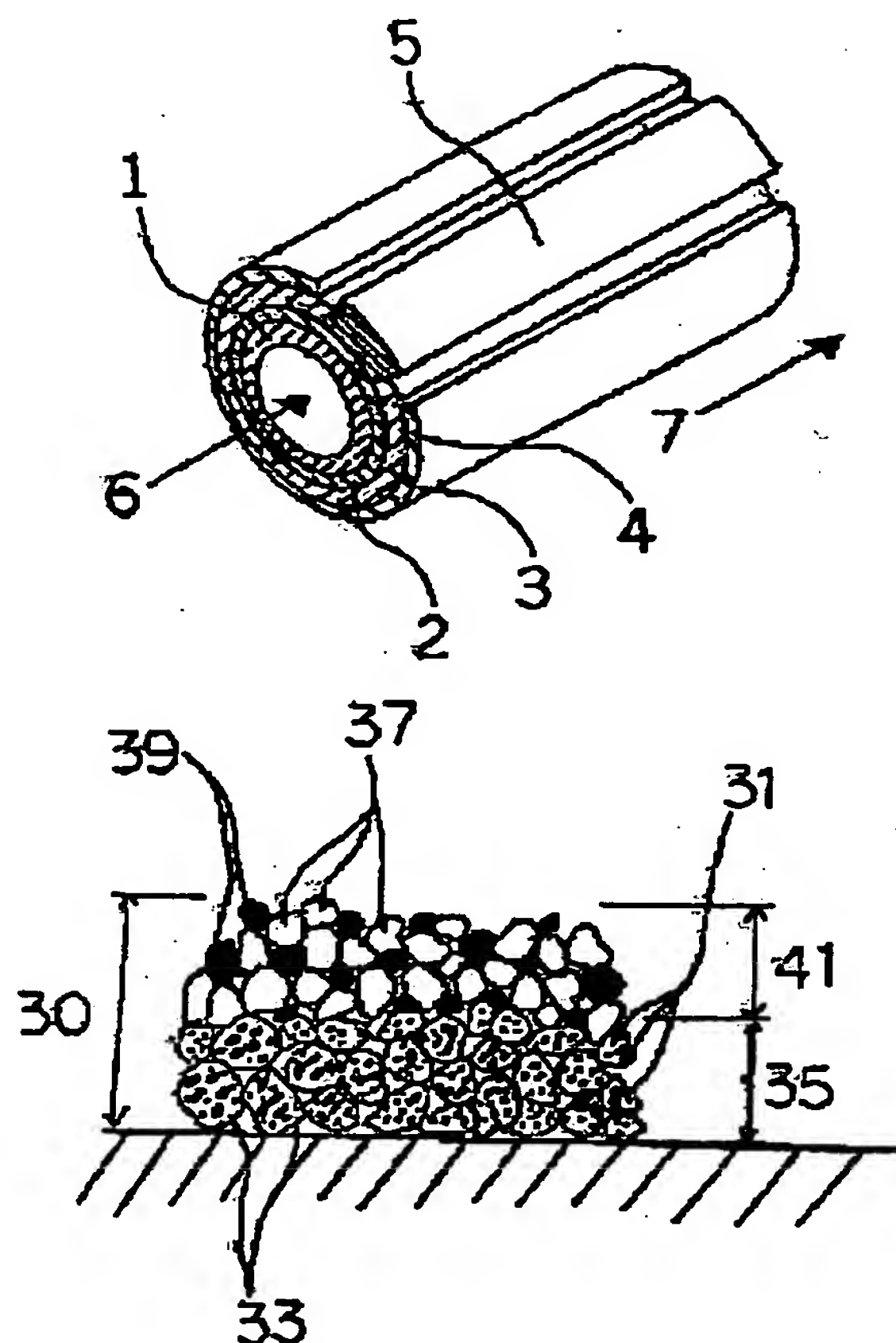
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TITLE : SOLID ELECTROLYTE TYPE FUEL  
CELL



**ABSTRACT :** **PROBLEM TO BE SOLVED:** To provide a solid electrolyte type fuel cell which can improve the power generation performance by improving the electric conductivity of a fuel electrode and suppressing metal cohesion and grain growth.

**SOLUTION:** In a solid electrolyte type fuel cell where a porous air electrode 2 is made on one side of a solid electrolyte 3 and a porous fuel electrode 4 is made on the other side, the fuel electrode 4 comprises the first fuel electrode layer 35 consisting of the metallic particles 33, where film-shaped or fine-particle-shaped ceramic particles 31 are deposited on the surface, and made on the surface of the solid electrolyte 3, and the second fuel electrode layer 41 made on the surface of that first fuel electrode layer 35 and consisting of the mixture of metallic particles 37 and coarse ceramic particles 39, and it is to be desired that the thickness of the first fuel electrode layer 35 is 10-100 $\mu$ m and that the thickness of the second fuel electrode layer 41 is 20-100 $\mu$ m.

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